

*TWG2 The Hague (NL)
26-28 September 2018*

A list of topics for the MJV on ageing and mechanical integrity

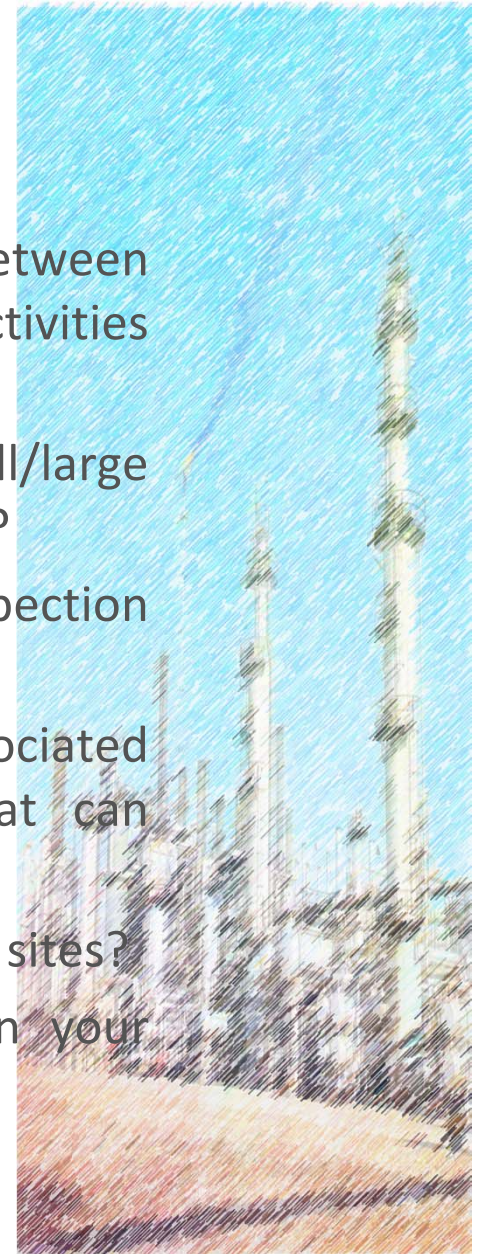


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- ▶ Countries legislation (legal requirements; standards; guide lines; etc.)
 - ▶ Accidents and lessons learned form events related to the ageing management (accident-near misses history)
 - ▶ SMS: asset integrity issues and ageing management: which checks under the operational control
 - ▶ KPIs and SPIs: how to measure the operations integrity and the changes over the time



▶ **Inspections strategies:**

- ▶ What are main differences and similarities between small/large and/or production/distribution/storage activities sites?
- ▶ What are the main challenges in inspection of small/large and/or production/distribution/storage activities sites?
- ▶ Which measures on site will be priorities for inspection (technical, managerial or organizational)?
- ▶ Does exist specific legislation or requirements associated with asset integrity issues (for each country) that can influence Seveso enforcement?
- ▶ What is the ageing management required for different sites?
- ▶ What are typical inspector strengths/weaknesses in your country to support inspections on asset integrity?

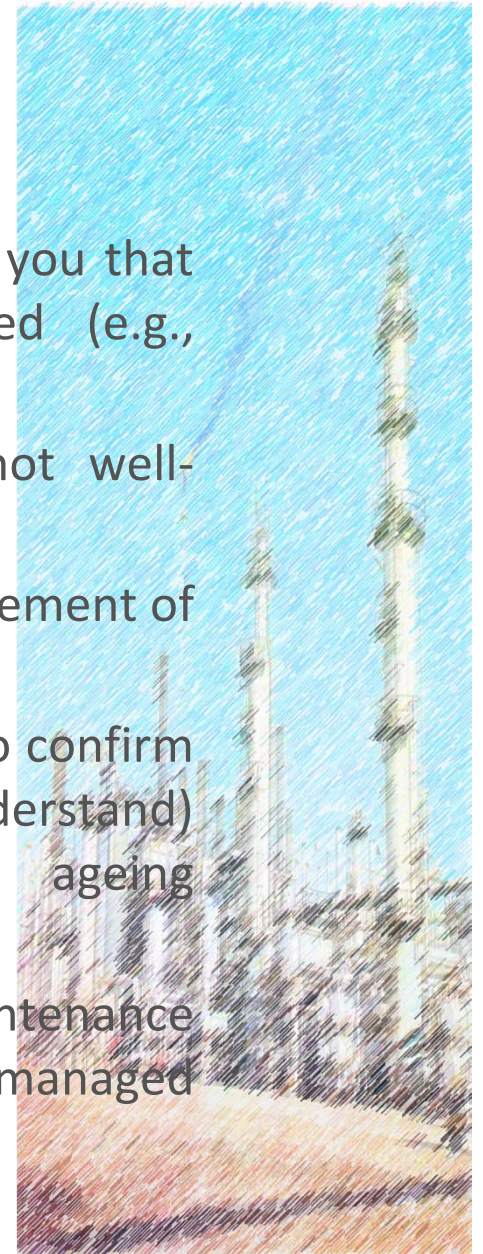


- ▶ In your opinion, should be necessary a specific training activity for the inspectors to assess asset integrity requirements? (maybe around Europe-sharing experiences in specific workshops?)
- ▶ Are there manuals or instructions on SEVESO approach to asset integrity issues available in your country?
- ▶ Do inspectors in your country generally use checklists (or part) for ageing issues, and if so, are they the same or different for small/large and/or production/distribution/storage activities sites?
- ▶ What are some SMS strengths and weaknesses for the asset integrity issues, found on large/small and/or production/distribution/storage activities sites?



▶ **Focus and techniques:**

- ▶ What conditions and typical findings would convince you that the element of asset integrity was well-managed (e.g., equipment features, procedures, maintenance);
- ▶ What are signs that this inspection element is not well-managed (e.g., maintenance, safe operation, etc.)?
- ▶ What questions can inspectors ask to verify that the element of ageing was well-managed?
- ▶ What evidence do you look for during an inspection to confirm that the operator and staff understand (or don't understand) the issues related to the asset integrity and ageing management?
- ▶ What inspection frequencies/techniques/maintenance management criteria do you expect to see on a well-managed site?



▶ **Hazard identification and risk assessment process**

- ▶ What are your expectations for hazard identification and risk assessment on different sites related to the asset integrity and ageing management?
- ▶ What process and methods do operators use to identify hazards typically, and how do they vary depending on the asset integrity and ageing management? (typical weaknesses and strengths; good practice)
- ▶ What typical changes occur on the sites that would require a new risk assessment? (relation between ageing and MOC)

